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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/037,722	10/19/2001	Russell B. Stuber	01-265	7382
24319	7590	03/25/2004	EXAMINER	
LSI LOGIC CORPORATION 1621 BARBER LANE MS: D-106 LEGAL MILPITAS, CA 95035			KIM, HAROLD J	
			ART UNIT	PAPER NUMBER
			2182	A

DATE MAILED: 03/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/037,722

**Applicant(s)**

STUBER, RUSSELL B.

**Examiner**

Harold Kim

**Art Unit**

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 12 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |                                                                                                                        |                                                                                         |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                            | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____                                                |

### DETAILED ACTION

1. Claims 1-20 are presented for examination.
2. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. **Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Thekkath, US Patent no. 6,393,500.**

5. In re claim 1, Thekkath shows a bus bridge device [610, fig 6; 120, fig 1] for transfer of indefinite length burst transactions [col 13, lines 24-25] from a first bus [112, fig 1] to a second bus [122, fig 1] via said bus bridge device, said bus bridge device comprising:

a detector circuit [610, fig 6] to detect initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite length [col 13, lines 24-25]; and

a translator circuit [616, fig 6] to translate said burst transaction to a new burst transaction having a predetermined length [col 13, lines 51-56; 712, fig 7].

6. In re claim 2, Thekkath shows a configuration register [711, fig 7] to store a configuration value [711, fig 7] indicative of said predetermined length.

7. In re claim 3, Thekkath shows a lookup table [710, fig 7] for determining said predetermined length from said configuration value.

8. In re claim 4, Thekkath shows a configuration switch [714, 711, fig 7] to define a configuration value [711] indicative of said predetermined length.

9. In re claim 5, Thekkath shows a lookup table [710, fig 7] for determining said predetermined length from said configuration value.

10. In re claims 6-10, Thekkath teaches the apparatus to carry out the operations as set forth in claims 1-5. Therefore, Thekkath also teaches the method steps in using the apparatus.

11. In re claim 11, Thekkath shows a slave device [610, fig 6; 120, fig 1] for transfer of indefinite length burst transactions [col 13, lines 24-25] received from a master device [106, 108, fig 1] on a first bus [112, fig 1] to a device controller [slower devices on 122, fig 1] on a second bus [122] via said slave device, said slave device comprising:

a detector circuit [610, fig 6] to detect initiation of a burst transaction on said first bus wherein said burst transaction has an indefinite length [col 13, lines 24-25]; and

a translator circuit [616, fig 6] to translate said burst transaction to a new burst transaction having a predetermined length [col 13, lines 51-56; 712, fig 7].

12. In re claim 12, Thekkath shows a configuration register [711, fig 7] to store a configuration value [711, fig 7] indicative of said predetermined length.

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13. In re claim 13, Thekkath shows a lookup table [710, fig 7] for determining said predetermined length from said configuration value.

14. In re claim 14, Thekkath shows a configuration switch [714, 711, fig 7] to define a configuration value [711] indicative of said predetermined length.

15. In re claim 15, Thekkath shows a lookup table [710, fig 7] for determining said predetermined length from said configuration value.

16. In re claims 16-20, Thekkath teaches the apparatus to carry out the operations as set forth in claims 11-15. Therefore, Thekkath also teaches the method steps in using the apparatus.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Further references of interest are cited on Form PLO-892, which is attachment to this office action.

Any response to this action should be mailed to:

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The centralized fax number is 703 872-9306.

The centralized hand carry paper drop off location is:


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Customer Window  
Crystal Plaza Two, Lobby, Room 1B03


Any inquiry of a general nature or relating to the status of this application should be directed to the technology center receptionist whose telephone number is (703) 306-5631.

Direct any inquiries concerning drawing review to the Drawing Review Branch (703) 305-8404.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harold Kim whose telephone number is (703) 305-1948. The examiner can normally be reached on Monday-Thursday 6 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on (703) 308-3301.

  
Harold J. Kim  
Patent Examiner  
March 20, 2004/HK

  
**REHANA PERVEEN**  
**PRIMARY EXAMINER**